

### **Corrigendum-II**

Bihar Medical Services and Infrastructure Corporation Limited (BMSICL) had invited E-Bids from the interested parties for Supply, Installation & Commissioning of Teaching Equipment for Establishment of Pharmacy Lab (I. Physiology/Pharmacology/Pharmacognosy Lab, II. Pharmaceutical Chemistry/Biochemistry Lab, III. Clinical Pathology Lab, IV. Pharmaceutics Lab, V. MACHINE ROOM Lab, VI. Hospital and Clinical Pharmacy Lab) On Turn-Key basis for 04 Govt. Pharmacy Institutes in different districts (Banka, Sasaram, Siwan & Nalanda) of Bihar was floated vide Notice Inviting Re-tender No.- BMSICL/2022-23/ME-284. During Pre-bid meeting various suggestions were received from different prospective bidders regarding amendment in technical specification of equipment which were discussed and deliberated on by the experts. On the basis of their recommendations certain amendments in the technical specification of the equipment have been made which are annexed as **Annexure-I** of this corrigendum. Rest of the terms and conditions of the NIT shall remain unchanged. In order to facilitate maximum participation of bidders the tender schedule is being also revised as follows:-

Tender Reference No.	<b>BMSICL/2022-23/ME-284</b>
Date and time for downloading of bid document	<b>Up to 24<sup>th</sup> August 2022 till 17:00 Hrs.</b>
Last date and time of submission of online bids	<b>25<sup>th</sup> August 2022 till 17:00 Hrs.</b>
Last date and time of submission of original documents of EMD, Tender Fee and Document.	<b>26<sup>th</sup> August 2022 till 14:00 Hrs.</b>
Date, Time and Place of opening of Technical Bid	<b>26<sup>th</sup> August 2022 (at 15:00 Hrs.) on the website of <a href="http://www.eproc.bihar.gov.in">www.eproc.bihar.gov.in</a> in the office of BMSICL</b>
Date and time of opening of financial Bids	<b>To be announced later on <a href="http://www.eproc.bihar.gov.in">www.eproc.bihar.gov.in</a></b>

**GM (Procurement)  
BMSICL**

## Annexure-II

Sl. No.	Name of Items	Tendered Specification	Tendered Quantity	Amended Specification/Qty	Amended Qty.
1	Compound Microscopes	Magnification 100X to 1000x, eye piece 10X & 15x; objective lens 10x,45x,100x(oil), ISO 9001 CE	15	No Change	No Change
2	Dissection Microscope	Magnification 10X & 20X, eye piece 10X & 20x; ISO 9001 CE	5	No Change	No Change
3	Haemocytometer with glass neubaur blood counting chamber (complete set)	Double-counting Chamber, Product Dimensions = 8 X 8 X 2.5 Inches	20	No Change	No Change
4	Sahli's hemoglobinometer	Comparator Holder, H.B. Tube, H.B. Pipette	20	No Change	No Change
5	Sphygmomanometers (clock type)	B.P. Monitor Clock Type	5	No Change	No Change
6	Spygmomanometer (Aneroid type)	Aneroid Blood Pressure Monitor	5	No Change	No Change
7	Spygmomanometer (Digital)	Digital type	5	No Change	No Change
8	Stethoscopes	for college purpose acoustic	10	No Change	No Change
9	Model of human skeleton (complete) mounted on stand	detachable parts are Calvarium, Jaw, Legs, Skull, Arms The left side of the skeleton shows the points of origin (red) and the points of insertion (blue) of the muscles. Mounted on with stand	1	No Change	No Change
10	Model of 5TH Cervical Vertebra mounted on stand	show transverse section of the spinal cord with grey and white matter, the nerve branches, the spinal ganglion and the blood vessels	1	No Change	No Change
11	Model of human hand mounted on stand	3-part model, enlarged 2X life size, shows the anatomy of the hand, including muscles, nerves, ligaments,vessels and bone structures. Aponeurosis is removable for closer examination	1	No Change	No Change
12	Model of animal cell mounted on stand	structures, such as micro villi, flagellum, mitochondria, nucleus, rough and smooth ER are reproduced with great detail and accuracy.	1	No Change	No Change
13	Model of Axis And Occipital Bone mounted on stand	A detailed, life size reproduction of the atlas and axis vertebrae, including the occipital bone, The model shows the pivoting action of the head and the articulation with the skull. Mounted on base with stand.	1	No Change	No Change
14	Model of bones of foot mounted on stand	all set of bone of foot	1	No Change	No Change
15	Model of brain with arteries mounted on stand	frontal lobe, parietal lobe, occipital lobe, temporal lobe, motor cortex, somato sensory cortex, limbic cortex, cerebellum, brain stem. Mounted on base	1	No Change	No Change
16	model of Brain stem And Nuclei Of The	This 4-part model, 2X life-size, is a detailed representation of the human brain stem and hypothalamus.	1	No Change	No Change

	Hypothalamus mounted on stand				
17	model of Basal Nuclei And Internal Capsule mounted on stand	show caudate nucleus, the lentiform nucleus and the genu of the internal capsule	1	No Change	No Change
18	model of Cranial And Autonomic Nerves mounted on stand	Dissection of human half head shows the 12 cranial nerves with collateral branches and autonomic nerves.	1	No Change	No Change
19	model of Diencephalon mounted on stand	This 4-part model, 5X life-size, shows the human diencephalon:	1	No Change	No Change
20	Model Double Helix Dna 12 Bp Model mounted on stand	This self assembly kit contains all the blocks needed (stand included) to build a 12 base pairs right handed double helix DNA	1	No Change	No Change
21	model of Unisex Torso 20 Parts, Fibre mounted on stand	This unisex torso including 20 parts: torso, head, eyeball, brain, lung (2 parts), heart (2 parts), liver, gallbladder, kidney, stomach (2 parts), intestines (2 parts), male genitalia (2 parts), female genitalia (2 parts) and vertebra spinal nerves.	1	No Change	No Change
22	model of Human ear mounted on stand	The model shows details of the external, middle and inner ear. The eardrum with malleus, incus and stapes are removable.	1	No Change	No Change
23	model of human eye mounted on stand	The different parts of the eyeball model are detachable to show the following structures.	1	No Change	No Change
		Tunica external : Showing cornea and sclera with attachments of ocular muscles and optic nerve.		No Change	No Change
		Tunica media : Showing the iris, the ciliary body and the choroid. Tunica internal is retina. Refraction media: Showing the lens and the vitreous body. 6 times enlarged with mounted on board		No Change	No Change
24	model of human heart mounted on stand	This 2-piece model shows external and internal anatomy of the heart with origins of pulmonary artery, pulmonary vein, and aorta. Heart valves and chambers are well represented. Includes full-color, illustrated key with mounted on stand	1	No Change	No Change
25	model of Female Genital Organ	composed of 4 parts, is a detailed representation of the female reproductive system as viewed through a median sagittal dissection. Removable parts include a 2-part uterus and 2 halves of the female reproductive apparatus with details of the internal structure.	1	No Change	No Change

26	model of Muscles Of The Human Leg mounted on stand	This 13-part model shows, the anatomical structure of the leg, complete with superficial and deeper muscles, vascular structures, nerves and ligaments. The following parts are removable: Sartorius, Long head of biceps, Gluteus maximus, Soleus, Gastrocnemius, Gluteus medius, Gracilis, Semitendinosus and Semimembranosus, Rectus femoris, Extensor digitorum longus sole of foot with mounted on stand	1	No Change	No Change
27	model of Muscles Of The Human Arm mounted on stand	This 7-part life size model shows, the anatomical structure of the arm, complete with superficial and deeper muscles, vascular structures, nerves and ligaments.	1	No Change	No Change
28	Model of male urinary system	model shows in natural size, all the organs of the male reproductive system. Penis, prostate and urinary bladder are longitudinally sectioned to reveal their inner anatomy	1	No Change	No Change
29	Model of Stomach (1.5x Life Size) mounted on stand	This model is dissected along the medial plane and can be opened	1	No Change	No Change
		to show the internal structure of the stomach, including the mucosa, the pylorus and a section of the gastric wall.		No Change	No Change
30	model of frog dissection	This 3X life size model provides a highly accurate illustration of the morphology of a frog.	1	No Change	No Change
31	model of rat dissection	This 6-part life-size model is an important tool to study zoology, providing a realistic reproduction the anatomy of the rat.	1	No Change	No Change
32	Chart of Human Blood group	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
33	Chart of Human Skin	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
34	Chart of Human Brain	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
35	Chart of Human Reproductive system (male)	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
36	Chart of Human Reproductive system (female)	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
37	Chart of Human Development of Embryo	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
38	Chart of Human Types of placenta	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
39	Chart of vestigial organ	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
40	Chart of Human Kidney	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
41	Chart of homologous and analogous organ	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change

42	Chart of embryo development-I	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
43	Chart of human morphology	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
44	Chart of embryo development-II	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
45	Chart of human stomach	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
46	Chart of human intestine-large	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
47	Chart of human intestine-small	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
48	Chart of human body	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
49	Chart of Invitro fertilization	100 x 70 cms, printed on LDF synthetic sheets	1	No Change	No Change
50	Chart of Invitro fertilization	<b>Victor graphic, Hyderabad</b> , 100 x 70 cms, printed on LDF synthetic sheets	1	100 x 70 cms, printed on LDF synthetic sheets	No Change
51	Human Skeleton and bones	One full set of skeleton (combined)	1 set	No Change	No Change
52	Human Skeleton and bones	one spare bone (complete bone set)	1 set	No Change	No Change
53	Digital Balance	1 mg to 200 mg sensitivity	1	No Change	No Change
54	Computer with LCD & UPS	PROCESSOR-i5 11 th generation, RAM- 8GB DDR4 1TB HDD 7200 Rpm 256 GB SSD or more OS-window 10 office-MS office 2019 DISPIAY- 22 INCH OR MORE	1	No Change	No Change
55	IR Thermometer	NonContact IR Infrared Thermometer 610	2	No Change	No Change
56	Mercury thermometer	triangular glass clinical thermometer	2	No Change	No Change
57	Mercury thermometer	Oval glass clinical thermometer	8	No Change	No Change
58	Digital thermometer	battery operated Digital thermometer	10	No Change	No Change
59	Refrigerator	190 litre	1	No Change	No Change
60	First aid equipment	with different disinfectant,	5 set	No Change	No Change
61	Stop watch	stainless steel	20	No Change	No Change
62	ESR Apparatus	Westergren type full set	5	No Change	2
63	ESR Apparatus	Wintrobe type full set	5	No Change	2
64	wright's Peak Flow meter	original model	1	No Change	No Change
65	Miniature Peak Flow meter	low range;Peak flow range is from 50 to 400 liter/min	1	No Change	2
66	Miniature Peak Flow meter	standrad range Peak flow range is from 60 to 800 liter/min	8	No Change	2
67	Stadiometer	height measring scale	2	No Change	No Change
68	Adult Weighing Scale (150 kg)	Omron Karada Scan Body Composition Monitor HBF-375	5	Karada Scan Body Composition Monitor	2
69	Projection microscope	eyepiece:Huegenian; objective achromatic x5,x10, x20; ISO 9001 CE	1	No Change	No Change
70	Chart of Medicinal Plant Anise	100 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change

71	Chart of digitallis leaf	101 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
72	Chart of datura leaf	102 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
73	Chart of ephedra leaf	103 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
74	Chart of funnel leaf	104 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
75	Chart of ginger rhizome	105 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
76	Chart of ipecacunha root	106 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
77	Chart of kurchi bark	107 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
78	Chart of liquorice root	108 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
79	Chart of nuxvomica seed	109 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
80	Chart of quantitative microscopic I (microscopic calibration)	110 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
81	Chart of quantitative microscopic II (determination of vein islet number and determination of palisade ratio)	111 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
82	Chart of aloes (Aloe vera)	112 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
83	Chart of Rauwolfia root	113 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
84	Chart of squill	114 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
85	Chart of senna leaf	115 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
86	Chart of turmeric	116 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
87	Chart of typical examples of epidermis showing stomata, trichomes, & epidermis cells	117 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
88	Chart of Vasaka leaf	118 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
89	Chart of Ashwagandha	119 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
90	Chart of belladonna	120 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
91	Chart of clove bud	121 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
92	Chart of coriander	122 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
93	Chart of cascara leaf	123 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change

94	Chart of cardamom fruit	124 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
95	Chart of cinnamom bark	125 X 75 cms, Printed on LDF synthetic sheet	1	No Change	No Change
96	Models	Dicot Root Section ,Leguminosae	1	No Change	No Change
97		Dicot Leaf Section	1	No Change	No Change
98		Monocot leaf section	1	No Change	No Change
99		Monocot Stem section	1	No Change	No Change
100	Various types of PPE Kits,	a set of pack of 15 product	10 set	No Change	No Change
101	Water Testing Kit	17 in one Premium Drinking Water Test Kit - 100 Strips + 2 Bacteria Tests - Home Water Quality Test - Well and Tap Water - Easy Testing for Lead, Bacteria, Hardness, Fluoride, pH, Iron, Copper and more!	10	No Change	No Change
<b>Pharmaceutical Chemistry/ Biochemistry, Clinical Pathology</b>					
S. No.	Name	Specification	Quantity		
1	Hot plates	Rectangular, 30x25cm	5	No Change	No Change
2	Heating Mantle	250 ml, 150 watt	5	No Change	No Change
3	Refrigerator	190 litre	1	Medical Refrigerator for cold storage of pharmaceuticals, as well as biological products and so forth. it is suitable for hospitals Microprocessor-based temperature control system; combined with two exact sensors and one sensors to defrost. Forced air circulation system with intelligent control Automatic temperature control: 3-digit high luminance LED display of temperature with in the adjustable range of 2~10°C. The temperature with controlling precision 1°C Alarm systems, audible/visual	No Change
					No Change



				alarm in case of high or low temperature condition, door power failure and so forth Exterior made from high quality structural steel sheet, duly powder coated Interior made from ABS engineering plastics/ S. Steel. Dual-pane, inert gas insulated glass door, equipped with special lock. Interior fluorescent lighting Shelves made of quality steel wire soaked with plastic Capacity : 260 Ltrs.	
4	Analytical Balances	Consists of Weighing pan, Riders, Beams, Pointers, Zero adjustment knob	1	No Change	No Change
5	Digital balance	1 mg to 200 mg sensitivity	5	Capacity: 1 mg to 200 gm Accuracy: 1 mg Pan size: 120 mm	No Change
6	Magnetic Stirrers with Thermostat	500ml and 1 litre capacity, with variable speed control	10	No Change	No Change
7	Vacuum Pump	1.0 - 1.5 HP, CFM 10.6	1	No Change	No Change
8	Digital pH meter	0 to 14 pH	1	No Change	No Change
9	Wall Mounted Water Distillation Unit	Capacity 4 to 5 ltr, Electric, Stainless Steel	2	No Change	No Change
10	Nessler's Cylinders	<b>50 ml</b> (about 175 mm in height, approximately 25 mm in diameter)	40	No Change	No Change
11	Melting Point Apparatus	Digital, Temp. Range: 350 Degree Celcius.	2	No Change	No Change
12	Thiele's Tube	Diameter of main tube is 25 mm Length 150 mm	20	No Change	No Change
13	Digital Colorimeter	400-700nm, 3 Digit, Metz 401 M	2	No Change	No Change
14	Electric Water Bath	300 x 250 x100 MM (12 Holes of 75 mm Dia)	1	No Change	No Change
<b>Pharmaceutics</b>					
<b>S. No.</b>	<b>Name</b>	<b>Specification</b>	<b>Quantity</b>		
1	Digital balance	1 mg to 200 mg sensitivity	5	Capacity: 1 mg to 200 gm Accuracy: 1 mg Pan size: 120 mm	No Change
2	Microscopes	Droplet MS-30 Student Monocular Microscope	10	No Change	No Change



3	Autoclave	Sesw 20 Litre 30 PSI Stainless Steel Vertical Autoclave	1	Size :- Not less than 20 Ltr. · Double walled · Outer & inner chamber made of SS 304 grade · Operatable up to 0 to 20 PSI $\pm 3$ · Pressure gauge range 0 to 30 PSI · Provided with PS, LWE & SS perforated baskets	No Change
4	Vacuum Pump	1.0 - 1.5 HP, CFM 10.6	1	1.0 - 1.5 HP, CFM 10.6Capacity should be 75 Liters/Minutes	No Change
5	Standard sieves, sieve no.8,10,12,22,24,44,54,60,80,85,100,120	Stainless steel	10 sets	No Change	No Change
6	Tablet dissolution test apparatus	EDT-08 LX,8 station, Digital	1	No Change	No Change
7	Magnetic stirrer, 500ml and 1 litter capacity with speed control	500ml and 1 litre capacity, with variable speed control	5	No Change	No Change
8	Digital pH meter	0 to 14 pH	1	No Change	No Change
9	Capsule Counter	Plate size 200 x 139mm tablets or capsules up to 100 at a time	2	No Change	No Change
10	Hot Plate	Rectangular, 30x25cm	2	No Change	No Change
11	Distillation Unit	Capacity 4 to 5 ltr, Electric, Stainless Steel	1	No Change	No Change
12	Tablet counter	ss 304, ss 316 and alluminium	2	No Change	No Change
13	Hot air oven	Stainless Steel Hot Air Oven, Size: 12"x12"x12"	1	· Outer made of rust resistant steel duly powder coated & inner made of SS 304 grade · Temperature range 50 degree C to 250 degree C $\pm 2$ degree C · Inner size: 355 x 355 x 355mm · Control with microprocessor based digital controller cum indicator	No Change

14	Electric water bath unit	300 x 250 x100 MM (12 Holes of 75 mm Dia)	2	<b>300 x 250 x100 MM (12 Holes of 75 mm Dia)</b> · Outer made of rust resistant steel duly powder coated & inner made of SS 304 grade · Temperature range 30 degree C to 99 degree C $\pm$ 2 degree C · Control with microprocessor based digital controller cum indicator	No Change
15	Stalagmometer	Borosilicate Glass 20ml capacity	5	No Change	No Change
16	Desiccator	200mm Desiccator with Cover, Porcelain Plate & Plastic Knob, 3082043	5	No Change	No Change
17	Buchner Funnels (Medium)	porcelain, 90 mm diameter and has a capacity of about 200 ml	10	No Change	No Change
18	Filtration assembly with Vacuum Pump	consisting of one filtration flask, rubber cork & Buchner Funnel & filter pump	1	No Change	No Change
19	Andreasen's Pipette	550ml cylinder vessel containing a 10ml pipette with a glass stopper	5	No Change	No Change
20	Ointment slab	perspex sheet (graduated) Sizes Available: 6" x 6" and 8" x 8".	20	No Change	No Change
21	Ointment spatula	Stainless Steel	20	No Change	No Change
22	Pestle and mortar porcelain	Porcelain Mortar and Pestle 6 inch	20	No Change	No Change
23	Refrigerator	190 litre	1	Medical Refrigerator for cold storage of pharmaceuticals, as well as biological products and so forth. it is suitable for hospitals Microprocessor-based temperature control system; combined with two exact sensors and one sensors to defrost. Forced air circulation system with intelligent control Automatic temperature control: 3-digit high luminance LED	No Change

				display of temperature with in the adjustable range of 2~10°C. The temperature with controlling precision 1°C Alarm systems, audible/visual alarm in case of high or low temperature condition, door power failure and so forth Exterior made from high quality structural steel sheet, duly powder coated Interior made from ABS engineering plastics/ S. Steel. Dual-pane, inert gas insulated glass door, equipped with special lock. Interior fluorescent lighting Shelves made of quality steel wire soaked with plastic Capacity : 260 Ltrs.	No Change
24	Micrometre slide Eyepiece	0.25 -1.0 mm	5	No Change	No Change
25	Micrometre slide Stage	ESM-11, Erma size:1x3inch,	5	No Change	No Change
26	Viscometer Ostwald/Brookfield	Digital Display 5-inch full colour, touch screen display	1	No Change	No Change
27	Stop watch	Type: Quartz Analog, 0 to 30 minute register; 60 second sweep (second hand)	1	No Change	No Change
28	Sintered glass filter with vacuum	With B-40 Joint with socket, with 300 ml cup,with Anodized clamp with neoprene cap.	4	No Change	No Change
29	Aseptic cabinet	Size 95 x 50 x 50cm, UV Tube	1	No Change	No Change
30	Heating Mantle	250 ml, 150 watt	5	No Change	No Change

31	Laminar air Flow	Horizontal Cabinet Fabricated in SS 304/316/MS, Air velocity: $0.45 \pm 0.05$ mps ( $90 \pm 20$ FPM)	1	1. Horizontal Cabinet made of powder coated cold rolled steel 2. Inner work table made of SS 304 3. Air velocity $0.45 \pm 0.05$ mps 4. Working area size: 4' x 2' x 2' 5. Provided with accessories : · Microprocessor controlled digital controller · Front door · UV tube · Mano meter	No Change
<b>MACHINE ROOM</b>					
S. No.	Name	Specification	Quantity		
1	Capsule filling machine	Hand operated capsule filling machine, Stainless Steel	1	No Change	No Change
2	Tablet punching machine	Automated Single Station	1	No Change	No Change
3	Tablet disintegration test apparatus	ED 2AL(2 station) Digital	1	No Change	No Change
4	Monsanto's hardness tester	Monsanto Tablet Hardness Tester	2	No Change	No Change
5	Pfizer type hardness tester	273 Pfizer	2	No Change	No Change
6	Friability test apparatus (Digital Single/Double unit)	Dual drum automatic, EF 2W,	1	No Change	No Change
7	Sieve shaker with sieve set	EMS 8PLUS,	1	No Change	No Change
8	Ointment filling machine	209 Hand Operated Bottle Filling Machine	1	Hand Operated Bottle Filling Machine Capacity should be up to 100ml	No Change
9	All-purpose equipment with all accessories	Accuracy $\pm 1\%$ , digital display, 220V AC	1	No Change	No Change
10	Bottle washing Machine	Stainless Steel, Electric Operated	1	No Change	No Change
11	Bottle Sealing Machine	L600 x W420 x H1200mm,	1	No Change	No Change
12	Liquid Filling Machine	cap. 50ml to 500ml all contact parts of S.S Hand Operated	1	No Change	No Change
13	Ampoule washing machine	202 Ampoule Washing with Fixed 6 Stainless Steel Needle Jet & Steel Pipe	1	No Change	No Change
14	Ampoule filling and sealing machine (Jet Burner)	Lab Scale Single Head Ampoule Filling & Sealing Machine	1	No Change	No Change
15	Clarity test apparatus	Bestco 21x18x9 inch, 110x10 mm	1	No Change	No Change
16	Collapsible tube – Filling and Sealing	Hand lever sliding movements with toothed Jaws spring Action release of jaws, robust construction.	1	No Change	No Change

17	Liquid mixer	120RPM, 200ltr	1	120RPM, Capacity should be 2 Ltrs.	No Change
<b>Hospital and Clinical Pharmacy Lab</b>					
S. No.	Name	Specification	Quantity		
1	Mannequins for CPR-1(with indication Signals)	Adult CPR-AED Training Manikin	2	No Change	No Change
2	Mannequins for injection IV Arm	Multipurpose Venous Training Arm - IV Arm	2	No Change	No Change
<b>Hospital and Clinical Pharmacy Lab</b>					
S. No.	Name	Specification	Quantity		
1	Computer with UPS system	PROCESSOR-i5 11 th generation, RAM- 8GB DDR4 OS- window 10 office-MS office 2019 DISPLAY- 22	9	No Change	No Change
2	PROJECTOR	PLAY 5000 lumens Full HD, HDMI, USB portable 1920 X 1080P, 3D LED projector 5500 lm LED corded portable projector with screen motorised projector screen size 150 inch	2	No Change	No Change
3	PRINTER LASER JET COLOUR MULTIFUNCTIONAL	Print, Copy, Scan, Dual-band Wi-Fi print speed: up to 28 ppm (black and colour) auto duplex printing; scan to features; 50-sheet ADF; 2 paper trays (standard) best in class security-detect and stop attacks	4	No Change	No Change
4	Refrigerator	190 ltr	1	Medical Refrigerator for cold storage of pharmaceuticals, as well as biological products and so forth. it is suitable for hospitals Microprocessor-based temperature control system; combined with two exact sensors and one sensors to defrost. Forced air circulation system with intelligent control Automatic temperature control: 3-digit high luminance LED display of temperature with in the adjustable range	No Change

				<p>of 2~10°C. The temperature with controlling precision 1°C Alarm systems, audible/visual alarm in case of high or low temperature condition, door power failure and so forth Exterior made from high quality structural steel sheet, duly powder coated Interior made from ABS engineering plastics/ S. Steel. Dual-pane, inert gas insulated glass door, equipped with special lock. Interior fluorescent lighting Shelves made of quality steel wire soaked with plastic Capacity : 260 Ltrs.</p>	
5	Sphygmomanometers (clock type)	B.P. Monitor Clock Type (BPD 237)	5	No Change	No Change
6	Sphygmomanometer (Aneroid type)	Diamond BPD 231 Aneroid Blood Pressure Monitor	5	No Change	No Change
7	Glucometer	battery operated	5	No Change	No Change
8	IR Thermometer		5	No Change	No Change
9	Height and body weight chart		1	No Change	No Change
10	Nebulizer		1	No Change	No Change

**Details of Lab Furniture required for Government Pharmacy Institutes, Nalanda, Banka, Rohtas and Siwan**

**प्रयोगशाला कक्ष 1**

1. Island module with upright (shelves) at middle with drawer, **Total module required as follows**

Number of modules		
Name of Institution	Nos. of Module	Final Amendments
GPI SIWAN	4	No Change
GPI BANKA	4	No Change
GPI ROHTAS	4	No Change
GPI NALANDA	4	Deleted

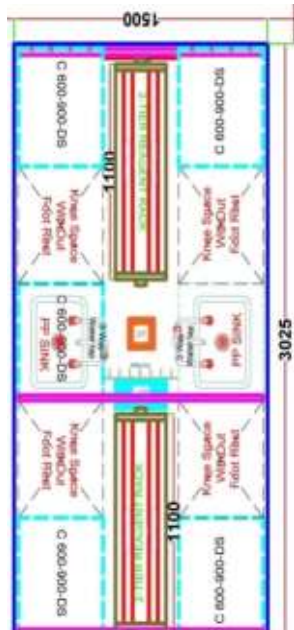
2. Provision of electricity sockets, water inlet and outlet and LPG gas supplies required – No Change  
 3. Fume Hood: Technical specifications as per attached sheet. – No Change

Details of a single module			
Description	Quantity	Unit	Final Amendment
Island Bench - L3025 x W1500 X H900 mm	1.00	Nos.	No Change
- Work Top Natural Jet Black Granite 18 +/- 1 mm thick	48.84	Sq. feet	No Change
- C600X600 mm wide Storage Cabinet with One Drawer and Two Shutter Combination with One Adjustable shelf	4.00	Nos.	No Change
- Knee Space Without Footrest	4.00	Nos.	No Change
- M600 mm wide Sink Storage Cabinet with Two Shutter Combination	2.00	Nos.	No Change
- Three Way Swan neck Type water Tap	2.00	Nos.	No Change
- P.P.Sink Size: L560xW355xD245mm	2.00	Nos.	No Change
- Peg Board	1.00	Nos.	No Change
- Rear Close Panel H900	1.00	Nos.	No Change
- Electrical Socket 6/16 amp (2+2) 6Module	4.00	Nos.	No Change
- Double sided Two tier Reagent rack (Adjustable Type) with electrical raceway L2230 X D 300 X H 900	2.23	Rmt.	No Change
- Service Pendate L300xW150xH2400 mm	1.00	Nos.	No Change
- C-Frame Stucture-60x30x2mm thk. Hollow Pipe Const.	3.03	R. Mtr	No Change
Burner	4	Nos.	No Change
Gas pipe line 12mm T band, 12 mm Elbow, 12 mm Union valve, 2 way -2 no	1	Nos.	No Change

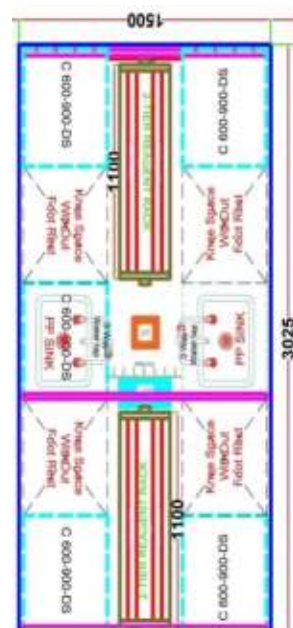
**Note- List of Single module items from lab-1 are deleted from the GPI Nalanda and will remain unchanged for other 03 locations.**



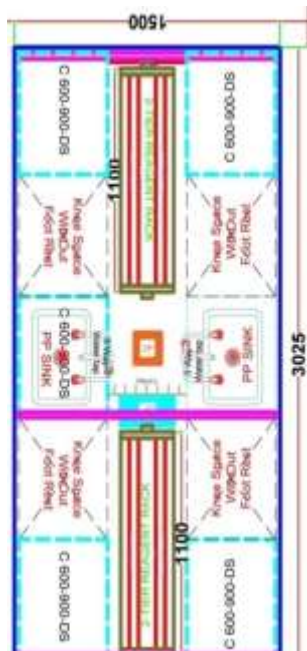
## Lay out of Laboratory -1 – No Change



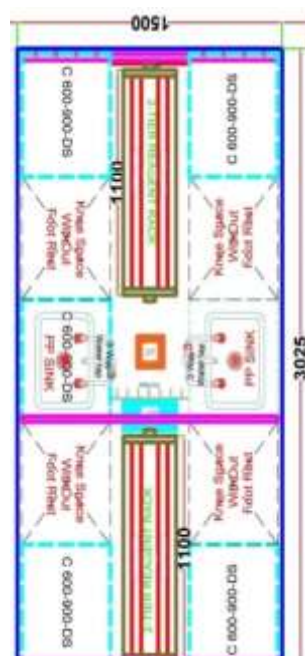
Module 1



Module 2



Module 3



Module 4

### 3. Fume Hood

Technical Specification of Fume Hood			No Change
Type of Hood: Constant Bypass type Bench Fume Hood			No Change
Out to Out Dimension: Length 1200 mm x Width 1000mm x Height 2300mm			No Change
In to In Dimension: Length 960mm x Width 870mm x Height 1225mm			No Change
Sr. No.	Description	Qty. (Nos.)	Final Amendment
A	Fume Hood Superstructure Consisting of	1	No Change
	Structure Frame in 2 mm thk.		
	Inner ring, Rear baffles and Top baffles in 6mm thk.		
	Phenolic resin/Compact/PP Sheet construction		
	Outer panels in 1.2mm thick		
	Front post in 1.0mm thk. S.S.304/GI Construction with Powder Coating		
	Vertical Sash in toughened glass const. with full length handle in anodized Aluminium construction		
	Sash movement mechanism with counter weight		
B	Twin LED Light	1	No Change
	Service Valves		
	Having body in forged brass const., Color coded knobs in plastic const., angular shaped serrated nozzies, in epoxy coated forged brass const. 1.5mt. Long flexible tubing with end fittings.		
	Services		
	Nitrogen	S.S. Braided Teflon Hose	No Change
	Vacuum	S.S. Braided Teflon Hose	No Change
	Compressed Air	S.S. Braided Teflon Hose	No Change
	Potable Water	S.S. Braided Teflon Hose	No Change
C	Fume Hood Worktop	1	No Change
	Work Top Natural JetBlack Granite 18+/-1 mm thk		No Change
D	Sink	1	No Change
	Ovalsink to be provided in left-rear area in worktop		No Change
E	Electrical Services with internal wiring (all in non-FLP const.)		No Change
	1 Pole MCB -10 Amp Legrand Make	1	No Change
	4 Pole MCB -32 Amp Legrand Make	1	No Change
	Motor On/Off Starter Legrand Make	1	No Change
	3 Phase Rotary Switch On/Off	1	No Change
	16 Amp. Switch with Light Indicator-Tubelight On/Off	1	No Change
	Electrical Junction Box	1	No Change
	6M Plate with Sw. & Sc. Norisys/North-West/LeGrand	2	No Change
	3M Plate with Sw. & Sc. Norisys/North-West/LeGrand	4	No Change
F	Fume Hood Understructure & cabinet	1	No Change
	Fabricated out of heavy gauge rectangular shape hollow pipes in MS construction, duly finished with corrosion resistant specialty coating	1	No Change
	Shelf Having PP Tray/Sheet		No Change
	Removable cabinet with PP Caster Wheel		No Change
	Flushed type recessed handle		No Change
	Knuckle barrel S.S. 304 Hinges		No Change
E	Removable Shelf	1	No Change
	Fume Hood top Side Encloser Panels 600mm Height		No Change

**Note- List of Fume hood items from lab-1 are deleted from the GPI Nalanda and will remain unchanged for other 03 locations.**

## प्रयोगशाला कक्ष 2

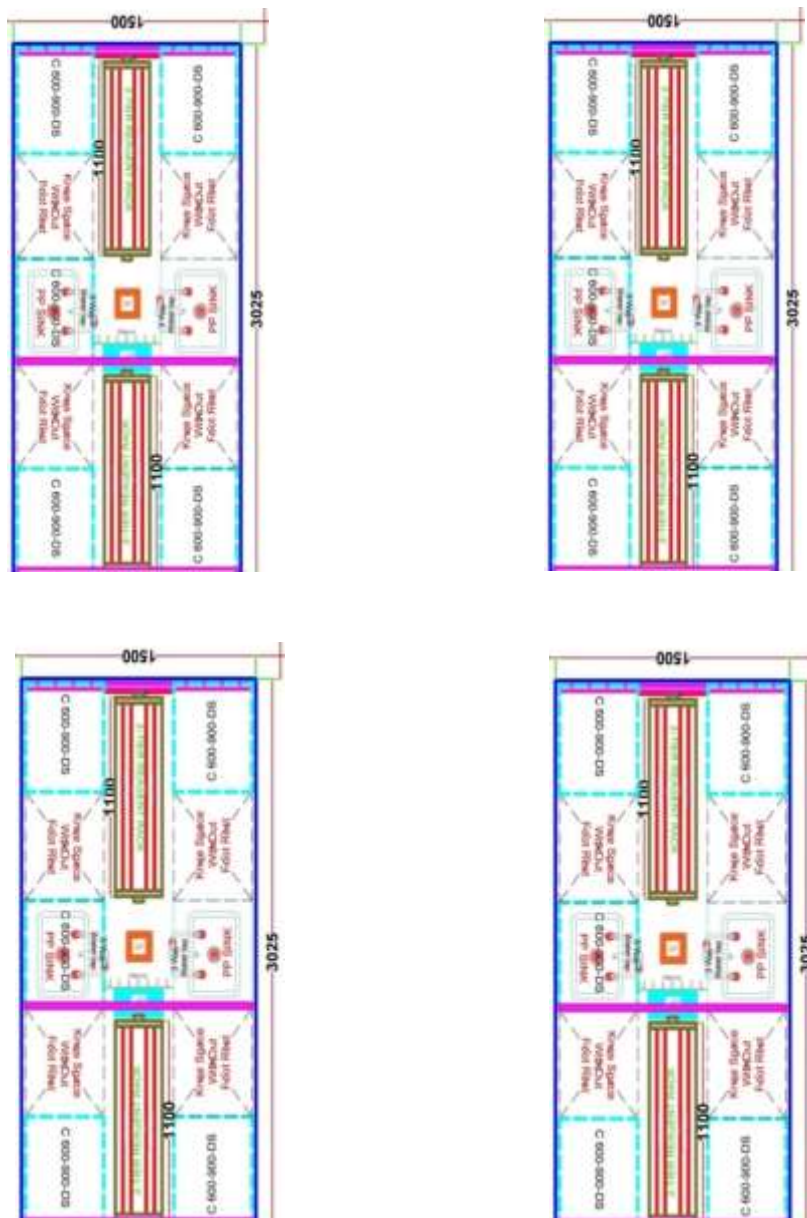
1. Island module without upright (shelves) at middle with drawer, **Total module required as follows-**

Number of modules		
Name of Institution	Nos. of Module	Final Amendments
GPI SIWAN	4	No Change
GPI BANKA	4	No Change
GPI ROHTAS	4	No Change
GPI NALANDA	4	Deleted

2. Provision of electricity supply, water inlet and outlet and LPG gas supplies – No Change

Details of a single module			
Description	Quantity	Unit	Final Amendment
Island Bench - L3025 x W1500 X H900 mm	1.00	Nos.	No Change
- Work Top Natural Jet Black Granite 18 +/- 1 mm thick	48.84	Sq. feet	No Change
- C600X600 mm wide Storage Cabinet with One Drawer and Two Shutter Combination with One Adjustable shelf	4.00	Nos.	No Change
- Knee Space Without Footrest	4.00	Nos.	No Change
- M600 mm wide Sink Storage Cabinet with Two Shutter Combination	2.00	Nos.	No Change
- Three Way Swan neck Type water Tap	2.00	Nos.	No Change
- P.P.Sink Size: L560xW355xD245mm	2.00	Nos.	No Change
- Peg Board	1.00	Nos.	No Change
- Rear Close Panel H900	1.00	Nos.	No Change
- Electrical Socket 6/16 amp (2+2) 6Module	4.00	Nos.	No Change
- Service Pendate L300xW150xH2400 mm	1.00	Nos.	No Change
- C-Frame Stucture-60x30x2mm thk. Hollow Pipe Const.	3.03	R.Mtr	No Change

**Note- List of Single module items from lab-2 are deleted from the GPI Nalanda and will remain unchanged for other 03 locations.**



Lay out of laboratory -2 – No Change

### प्रयोगशाला कक्ष-3

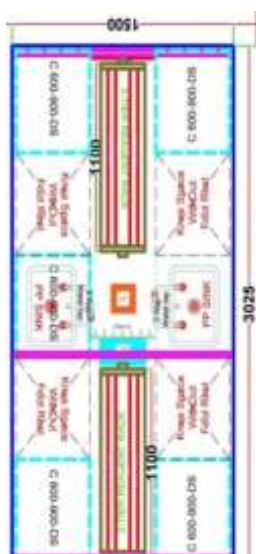
1. Island module with upright (shelves) at middle with drawer, **Total module required as follows-**

Number of modules		
Name of Institution	Number	Final Amendments
GPI SIWAN	4	No Change
GPI BANKA	4	No Change
GPI ROHTAS	4	No Change
GPI NALANDA	4	Deleted

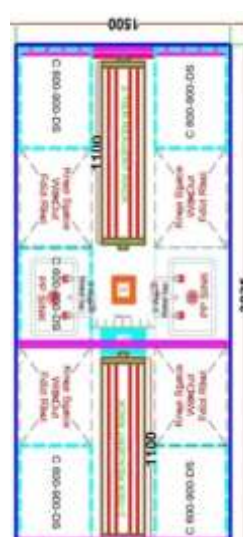
2. Provision of electricity supply, water inlet and outlet and LPG gas supplies. – No Change

Details of a single module			
Description	Quantity	Unit	Final Amendment
Island Bench - L3025 x W1500 X H900 mm	1.00	Nos.	No Change
- Work Top Natural Jet Black Granite 18 +/- 1 mm thick	48.84	Sq.feet	No Change
- C600X600 mm wide Storage Cabinet with One Drawer and Two Shutter Combination with One Adjustable shelf	4.00	Nos.	No Change
- Knee Space Without Footrest	4.00	Nos.	No Change
- M600 mm wide Sink Storage Cabinet with Two Shutter Combination	2.00	Nos.	No Change
- Three Way Swan neck Type water Tap	2.00	Nos.	No Change
- P.P.Sink Size: L560xW355xD245mm	2.00	Nos.	No Change
- Peg Board	1.00	Nos.	No Change
- Rear Close Panel H900	1.00	Nos.	No Change
- Electrical Socket 6/16 amp (2+2) 6Module	4.00	Nos.	No Change
- Double sided Two tier Reagent rack (Adjustable Type) with electrical raceway L2230 X D 300 X H 900	2.23	Rmt.	No Change
- Service Pendate L300xW150xH2400 mm	1.00	Nos.	No Change
- C-Frame Stucture-60x30x2mm thk. Hollow Pipe Const.	3.03	R.Mtr	No Change
Burner	4	Nos.	No Change
Gas pipe line 12mm T band, 12 mm Elbow, 12 mm Union valve, 2 way -2 no	1	Nos.	No Change

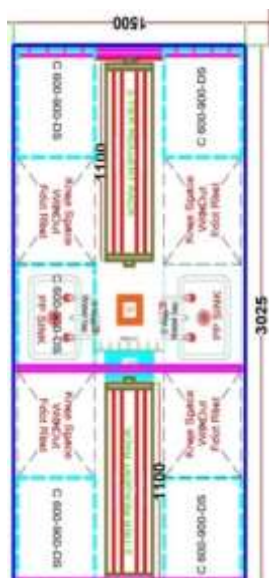
**Note- List of Single module items from lab-3 are deleted from the GPI Nalanda and will remain unchanged for other 03 locations.**



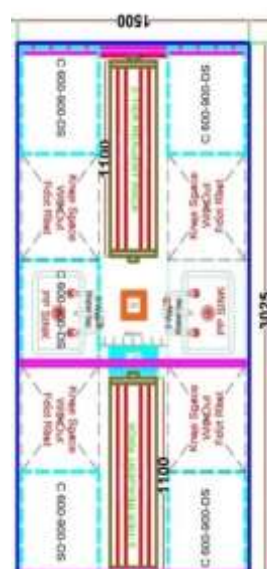
Module 1



Module 2



Module 3



Module 4

Lay out of laboratory -3 – No Change

#### प्रयोगशाला कक्ष-4

- Island module with upright (shelves) at middle with drawer, **number of module varies with different institute as follows**

Number of modules		
Name of Institution	Number	Final Amendments
GPI SIWAN	4	No Change
GPI BANKA	4	No Change
GPI ROHTAS	4	No Change
GPI NALANDA	4	Deleted

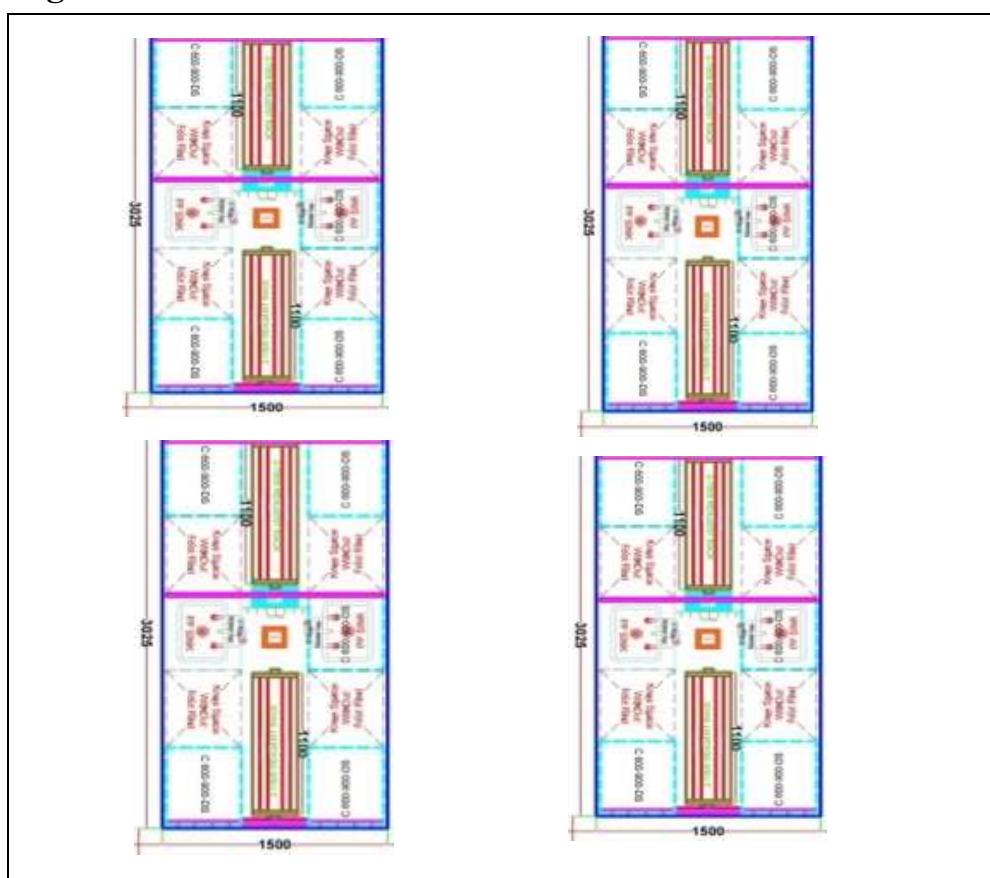
- Provision of electricity supply, water inlet and outlet and LPG gas supplies – No Change

Details of a single module			
Description	Quantity	Unit	Final Amendment
Island Bench - L3025 x W1500 X H750 mm	1.00	Nos.	No Change
- Work Top Natural Jet Black Granite 18 +/- 1 mm thick	48.84	Sq.feet	No Change
- C600X600 mm wide Storage Cabinet with One Drawer and Two Shutter Combination with One Adjustable shelf	4.00	Nos.	No Change
- Knee Space Without Footrest	4.00	Nos.	No Change
- M600 mm wide Sink Storage Cabinet with Two Shutter Combination	2.00	Nos.	No Change
- Three Way Swan neck Type water Tap	2.00	Nos.	No Change



- P.P.Sink Size: L560xW355xD245mm	2.00	Nos.	No Change
- Peg Board	1.00	Nos.	No Change
- Rear Close Panel H900	1.00	Nos.	No Change
- Electrical Socket 6/16 amp (2+2) 6Module	4.00	Nos.	No Change
- Service Pendate L300xW150xH2400 mm	1.00	Nos.	No Change
- C-Frame Stucture-60x30x2mm thk. Hollow Pipe Const.	3.03	R. Mtr	No Change

**Note- List of Single module items from lab-4 are deleted from the GPI Nalanda and will remain unchanged for other 03 locations.**



Lay out of LAB-4 – No Change

## प्रयोगशाला कक्ष 5 (Machine Room)

1 Wall Bench (750 mm width) without upright at side wall, **number of wall bench as follows:-**



Number of wall Bench		
Name of Institution	Nos. of Module	Final Amendments
GPI SIWAN	15	No Change
GPI BANKA	15	No Change
GPI ROHTAS	15	No Change
GPI NALANDA	15	Deleted






DESCRIPTION OF A SINGLE WALL BENCH				
Sr. no.	Description	Qty.	Unit	Final Amendment
	<b>MACHINE ROOM</b>			
<b>1</b>	<b>Wall Bench - L1200 x W900 X H750 mm</b>	<b>1.00</b>	<b>Nos.</b>	No Change
	- Work Top Natural JET Black Granite 18 +/- 1 mm thick	12	Sq.feet	No Change
	- C-Frame Stucture-60x30x2mm thick. Hollow Pipe Const.	7	R.Mtr	No Change
	- Electrical Socket 6/16 amp (2+2) 6	1	<b>Nos.</b>	No Change

**Note- List of Single Bench items from lab-5 are deleted from the GPI Nalanda and will remain unchanged for other 03 locations.**

### प्रयोगशाला कक्ष 6 (Model Pharmacy)

S.No	DESCRIPTION	Size (L x D x H)	Qt.	Figure	Final Amendemnt
<b>1.</b>	Wall unit 03- made in marine plywood 18mm thk with approved 1mm thk laminate outside and 0.8mm thk laminate inside. Edge finish with 2mm thk edge banding matching to laminate. Front shutter made of clear glass 6mm thk toughened fixed in 50 x 18 frame (operating system openable) with lock. Base chest of drawer front facia made of 18mm thk marine plywood finish with approved laminate and sides cover with 2mm thk edge banding. Ebco- softclose channel for drawers. Inside drawers made of 18mm thk marine plywood finish with balanced laminate both side provided with 4mm thk clear acrylic tray with partition for proper vail & ampoules storages. Also 2 storages with glass shutters provided with double locking system for expensive vail & ampoules.	1200X450 X2400	<b>2</b>		No Change
<b>2.</b>	Cash counter- made in marine plywood 18mm thk with approved 1mm thk laminate outside and 0.8mm thk laminate inside. Edge finish with 2mm thk edge banding matching to laminate. Top front clear glass 8mm thk toughened. Base chest of drawer front facia made of 18mm thk marine plywood finish with approved laminate and sides cover with 2mm thk edge banding. Ebcosoftclose channel for drawers. Inside drawers made of 18mm thk marine plywood finish with balanced laminate both side provided with 4mm thk clear	1200X641 X1200	<b>1</b>		No Change

	acrylic tray with partition for proper tablets storages. Open space provided for cpu also front ledge.				
3.	Patient bed- complete bed made of 18 +12+18mm thk marine plywood sandwich together to achieve 50mm thickness. Finish with 1mm thick approved laminate (excluding metress)	1800X700 X1000	1		No Change
4	Wall Display For Certificate And Drug Information- Made Of M.S Frame Readymade Profile Front	600X25X1 000	1		No Change
5	Podium Full Size Lectern: A full Size lectern typically has a uniform width of over 500 mm and a cabinet or box style design for the frame. The full size lectern stands on the floor and offers an average 1200 mm for standing access to the top surface. Made by 18mm HDHMR board .	500x600x 1200	1		No Change
<b>Additional Point</b>					
6	Cabin :- 3x3m , 8'' height cabin with 2 walls either it front side wall. Front wall will have 01 door (with good door locker) & 2 fixed panel and side wall will have 03 fixed panels. Made of 06 mm thick HPL (High pressure laminate) sheet, both side laminated mounted with aluminium channels & fasteners. Door is made of 6 mm thick HPL sheet would have size 6'x3' Table 4'x2'x2.6' height would be provided made of marine plywood 18mm thick with 1mm thick laminate	3X3	1		Additional Point

**List of items from Lab 6 are deleted from the GPI Nalanda and will remain unchanged for other 03 locations.**



**Lay out of Model Pharmacy**